



SEQUENCE LISTING

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 <130> KNUDSEN1A
 <140> US 09/987,108
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 <170> PatentIn version 3.1
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 <212> PRT
 <213> Bos taurus
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Gln	Ala	Thr	Val	Gly	Asp	Ile	Asn	Thr	Glu	Arg	Pro	Gly	Met	Leu	Asp
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Phe	Lys	Gly	Lys	Ala	Lys	Trp	Asp	Ala	Trp	Asn	Glu	Leu	Lys	Gly	Thr
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Ser	Lys	Glu	Asp	Ala	Met	Lys	Ala	Tyr	Ile	Asp	Lys	Val	Glu	Glu	Leu
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Lys	Lys	Lys	Tyr	Gly	Ile										
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<213> Homo sapiens

<400> 2

Ser Gln Ala Glu Phe Glu Lys Ala Ala Glu Glu Val Arg His Leu Lys
1 5 10 15

Thr Lys Pro Ser Asp Glu Glu Met Leu Phe Ile Tyr Gly His Tyr Lys
20 25 30

Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro Gly Met Leu Asp
35 40 45

Phe Thr Gly Lys Ala Lys Trp Asp Ala Trp Asn Glu Leu Lys Gly Thr
50 55 60

Ser Lys Glu Asp Ala Met Lys Ala Tyr Ile Asn Lys Val Glu Glu Leu
65 70 75 80

Lys Lys Lys Tyr Gly Ile
85

<210> 3

<211> 86

<212> PRT

<213> Sus scrofa

<400> 3

Ser Gln Ala Glu Phe Glu Lys Ala Ala Glu Glu Val Lys Asn Leu Lys
1 5 10 15

Thr Lys Pro Ala Asp Asp Glu Met Leu Phe Ile Tyr Ser His Tyr Lys
20 25 30

Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro Gly Ile Leu Asp
35 40 45

Leu Lys Gly Lys Ala Lys Trp Asp Ala Trp Asn Gly Leu Lys Gly Thr
50 55 60

Ser Lys Glu Asp Ala Met Lys Ala Tyr Ile Asn Lys Val Glu Glu Leu
65 70 75 80

Lys Lys Lys Tyr Gly Ile
85

<210> 4
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 <213> Canis familiaris

<400> 4

Ser Gln Ala Glu Phe Asp Lys Ala Ala Glu Asp Val Lys His Leu Lys
 1 5 10 15

Thr Lys Pro Ala Asp Asp Glu Met Leu Tyr Ile Tyr Ser His Tyr Lys
 20 25 30

Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro Gly Leu Leu Asp
 35 40 45

Leu Arg Gly Lys Ala Lys Trp Asp Ala Trp Asn Gln Leu Lys Gly Thr
 50 55 60

Ser Lys Glu Asp Ala Met Lys Ala Tyr Val Asn Lys Val Glu Asp Leu
 65 70 75 80

Lys Lys Lys Tyr Gly Ile
 85

<210> 5
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 <213> Rattus norvegicus

<400> 5

Ser Gln Ala Asp Phe Asp Lys Ala Ala Glu Glu Val Lys Arg Leu Lys
 1 5 10 15

Thr Gln Pro Thr Asp Glu Glu Met Leu Phe Ile Tyr Ser His Phe Lys
 20 25 30

Gln Ala Thr Val Gly Asp Val Asn Thr Asp Arg Pro Gly Leu Leu Asp
 35 40 45

Leu Lys Gly Lys Ala Lys Trp Asp Ser Trp Asn Lys Leu Lys Gly Thr
 50 55 60

Ser Lys Glu Asn Ala Met Lys Thr Tyr Val Glu Lys Val Glu Glu Leu
 65 70 75 80

Lys Lys Lys Tyr Gly Ile
85

<210> 6
<211> 86
<212> PRT
<213> Mus musculus

<400> 6

Ser Gln Ala Glu Phe Asp Lys Ala Ala Glu Glu Val Lys Arg Leu Lys
1 5 10 15

Thr Gln Pro Thr Asp Glu Glu Met Leu Phe Ile Tyr Ser His Phe Lys
20 25 30

Gln Ala Thr Val Gly Asp Val Asn Thr Asp Arg Pro Gly Leu Leu Asp
35 40 45

Leu Lys Gly Lys Ala Lys Trp Asp Ser Trp Asn Lys Leu Lys Gly Thr
50 55 60

Ser Lys Glu Ser Ala Met Lys Thr Tyr Val Glu Lys Val Asp Glu Leu
65 70 75 80

Lys Lys Lys Tyr Gly Ile
85

<210> 7
<211> 86
<212> PRT
<213> Terrapene carolina

<400> 7

Ser Gln Ala Glu Phe Asp Lys Ala Ala Glu Glu Val Lys Gln Leu Lys
1 5 10 15

Ser Gln Pro Thr Asp Glu Glu Met Leu Tyr Ile Tyr Ser His Phe Lys
20 25 30

Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro Gly Phe Leu Asp
35 40 45

Phe Lys Gly Lys Ala Lys Trp Asp Ala Trp Asp Ala Leu Lys Gly Met
50 55 60

Ala Lys Glu Glu Ala Met Lys Ala Tyr Ile Ala Lys Val Glu Glu Leu
65 70 75 80

Lys Gly Lys Tyr Gly Ile
85

<210> 8
<211> 86
<212> PRT
<213> Anas platyrhynchos

<400> 8

Ala Glu Ala Ala Phe Gln Lys Ala Ala Glu Glu Val Lys Gln Leu Lys
1 5 10 15

Ser Gln Pro Ser Asp Gln Glu Met Leu Asp Val Tyr Ser His Tyr Lys
20 25 30

Gln Ala Thr Val Gly Asp Val Asn Thr Asp Arg Pro Gly Met Leu Asp
35 40 45

Phe Lys Gly Lys Ala Lys Trp Asp Ala Trp Asn Ala Leu Lys Gly Met
50 55 60

Ser Lys Glu Asp Ala Met Lys Ala Tyr Val Ala Lys Val Glu Glu Leu
65 70 75 80

Lys Gly Lys Tyr Gly Ile
85

<210> 9
<211> 86
<212> PRT
<213> Gallus gallus

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1 5 10 15

Ser Gln Pro Thr Asp Gln Glu Met Leu Asp Val Tyr Ser His Tyr Lys
20 25 30

Gln Ala Thr Val Gly Asp Val Asn Thr Asp Arg Pro Gly Met Leu Asp
35 40 45

Phe Lys Gly Lys Ala Lys Trp Asp Ala Trp Asn Ala Leu Lys Gly Met
 50 55 60

Ser Lys Glu Asp Ala Met Lys Ala Tyr Val Ala Lys Val Glu Glu Leu
 65 70 75 80

Lys Gly Lys Tyr Gly Ile
 85

<210> 10
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 <212> PRT
 <213> *Drosophila melanogaster*

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Val Ser Glu Gln Phe Asn Ala Ala Ala Glu Lys Val Lys Ser Leu Thr
 1 5 10 15

Lys Arg Pro Ser Asp Asp Glu Phe Leu Gln Leu Tyr Ala Leu Phe Lys
 20 25 30

Gln Ala Ser Val Gly Asp Asn Asp Thr Ala Lys Pro Gly Leu Leu Asp
 35 40 45

Leu Lys Gly Lys Ala Lys Trp Glu Ala Trp Asn Lys Gln Lys Gly Lys
 50 55 60

Ser Ser Glu Ala Ala Gln Gln Glu Tyr Ile Thr Phe Val Glu Gly Leu
 65 70 75 80

Val Ala Lys Tyr Ala
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<210> 11
 <211> 88
 <212> PRT
 <213> *Manduca sexta*

<400> 11

Leu Gln Glu Gln Phe Asp Gln Ala Ala Ser Asn Val Arg Asn Leu Lys
 1 5 10 15

Ser Leu Pro Ser Asp Asn Asp Leu Leu Glu Leu Tyr Ala Leu Phe Lys
 20 25 30

Gln Ala Ser Ala Gly Asp Ala Asp Pro Ala Asn Arg Pro Gly Leu Leu
35 40 45

Asp Leu Lys Gly Lys Ala Lys Phe Asp Ala Trp His Lys Lys Ala Gly
50 55 60

Leu Ser Lys Glu Asp Ala Gln Lys Ala Tyr Ile Ala Lys Val Glu Ser
65 70 75 80

Leu Ile Ala Ser Leu Gly Leu Gln
85

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<210> 12
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<212> PRT
<213> Saccharomyces cerevisiae
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<400> 12

Val Ser Gln Leu Phe Glu Glu Lys Ala Lys Ala Val Asn Glu Leu Pro
1 5 10 15

Thr Lys Pro Ser Thr Asp Glu Leu Leu Glu Leu Tyr Ala Leu Tyr Lys
20 25 30

Gln Ala Thr Val Gly Asp Asn Asp Lys Glu Lys Pro Gly Ile Phe Asn
35 40 45

Met Lys Asp Arg Tyr Lys Trp Glu Ala Trp Glu Asn Leu Lys Gly Lys
50 55 60

Ser Gln Glu Asp Ala Glu Lys Glu Tyr Ile Ala Leu Val Asp Gln Leu
65 70 75 80

Ile Ala Lys Tyr Ser Ser
85

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<210> 13
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<212> PRT
<213> Saccharomyces monoasensis
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<400> 13

Val Ser Gln Leu Phe Glu Glu Lys Ala Lys Ala Val Asn Glu Leu Pro
1 5 10 15

Thr Lys Pro Ser Thr Asp Glu Leu Leu Glu Leu Tyr Gly Leu Tyr Lys
20 25 30

Gln Ala Thr Val Gly Asp Asn Asp Lys Glu Lys Pro Gly Ile Phe Asn
35 40 45

Met Lys Asp Arg Tyr Lys Trp Glu Ala Trp Glu Asp Leu Lys Gly Lys
50 55 60

Ser Gln Glu Asp Ala Glu Lys Glu Tyr Ile Ala Tyr Val Asp Asn Leu
65 70 75 80

Ile Ala Lys Tyr Ser Ser
85

<210> 14
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<212> PRT
<213> *Caenorhabditis elegans*

<400> 14

Met Thr Leu Ser Phe Asp Asp Ala Ala Ala Thr Val Lys Thr Leu Lys
1 5 10 15

Thr Ser Pro Ser Asn Asp Glu Leu Leu Lys Leu Tyr Ala Leu Phe Lys
20 25 30

Gln Gly Thr Val Gly Asp Asn Thr Thr Asp Lys Pro Gly Met Phe Asp
35 40 45

Leu Lys Gly Lys Ala Lys Trp Ser Ala Trp Asp Glu Lys Lys Gly Leu
50 55 60

Ala Lys Asp Asp Ala Gln Lys Ala Tyr Val Ala Leu Val Glu Glu Leu
65 70 75 80

Ile Ala Lys Tyr Gly Ala
85

<210> 15
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<212> PRT
<213> *Gossypium hirsutum*

<400> 15

Leu Lys Glu Glu Phe Glu Glu His Ala Glu Lys Val Lys Thr Leu Pro
1 5 10 15

Ala Ala Pro Ser Asn Asp Asp Met Leu Ile Leu Tyr Gly Leu Tyr Lys
20 25 30

Gln Ala Thr Val Gly Pro Val Asn Thr Ser Arg Pro Gly Met Phe Asn
35 40 45

Met Arg Glu Lys Tyr Lys Trp Asp Ala Trp Lys Ala Val Glu Gly Lys
50 55 60

Ser Lys Glu Glu Ala Met Gly Asp Tyr Ile Thr Lys Val Lys Gln Leu
65 70 75 80

Phe Glu Ala Ala Gly Ser
85

<210> 16
<211> 86
<212> PRT
<213> Brassica napus

<400> 16

Leu Lys Glu Asp Phe Glu Glu His Ala Glu Lys Val Lys Lys Leu Thr
1 5 10 15

Ala Ser Pro Ser Asn Glu Asp Leu Leu Ile Leu Tyr Gly Leu Tyr Lys
20 25 30

Gln Ala Thr Val Gly Pro Val Thr Thr Ser Arg Pro Gly Met Phe Ser
35 40 45

Met Lys Glu Arg Ala Lys Trp Asp Ala Trp Lys Ala Val Glu Gly Lys
50 55 60

Ser Thr Asp Glu Ala Met Ser Asp Tyr Ile Thr Lys Val Lys Gln Leu
65 70 75 80

Leu Glu Ala Glu Ala Ser
85

<210> 17
<211> 86

<212> PRT

<213> *Arabidopsis thaliana*

<400> 17

Leu Lys Glu Glu Phe Glu Glu His Ala Glu Lys Val Asn Thr Leu Thr
 1 5 10 15

Glu Leu Pro Ser Asn Glu Asp Leu Leu Ile Leu Tyr Gly Leu Tyr Lys
 20 25 30

Gln Ala Lys Phe Gly Pro Val Asp Thr Ser Arg Pro Gly Met Phe Ser
 35 40 45

Met Lys Glu Arg Ala Lys Trp Asp Ala Trp Lys Ala Val Glu Gly Lys
 50 55 60

Ser Ser Glu Glu Ala Met Asn Asp Tyr Ile Thr Lys Val Lys Gln Leu
 65 70 75 80

Leu Glu Val Glu Ala Ser
 85

<210> 18

<211> 86

<212> PRT

<213> *Ricinus communis*

<400> 18

Leu Lys Glu Asp Phe Glu Glu His Ala Glu Lys Ala Lys Thr Leu Pro
 1 5 10 15

Glu Asn Thr Thr Asn Glu Asn Lys Leu Ile Leu Tyr Gly Leu Tyr Lys
 20 25 30

Gln Ala Thr Val Gly Pro Val Asn Thr Ser Arg Pro Gly Met Phe Asn
 35 40 45

Met Arg Asp Arg Ala Lys Trp Asp Ala Trp Lys Ala Val Glu Gly Lys
 50 55 60

Ser Thr Glu Glu Ala Met Ser Asp Tyr Ile Thr Lys Val Lys Gln Leu
 65 70 75 80

Leu Gly Glu Ala Ala Ala
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<210> 19
 <211> 85
 <212> PRT
 <213> Lilium sp.

<400> 19

Leu Lys Glu Glu Phe Glu Glu His Ala Val Lys Ala Lys Thr Leu Pro
 1 5 10 15

Glu Ser Thr Ser Asn Glu Asn Lys Leu Ile Leu Tyr Gly Leu Tyr Lys
 20 25 30

Gln Ser Thr Val Gly Pro Val Asp Thr Gly Arg Pro Gly Met Phe Ser
 35 40 45

Pro Arg Glu Arg Ala Lys Trp Asp Ala Trp Lys Ala Val Glu Gly Lys
 50 55 60

Ser Lys Glu Glu Ala Met Gly Asp Tyr Ile Thr Lys Val Lys Gln Leu
 65 70 75 80

Leu Glu Glu Ser Ala
 85

<210> 20
 <211> 86
 <212> PRT
 <213> Rana sp.

<400> 20

Pro Gln Ala Asp Phe Asp Lys Ala Ala Gly Asp Val Lys Lys Leu Lys
 1 5 10 15

Thr Lys Pro Thr Asp Asp Glu Leu Lys Glu Leu Tyr Gly Leu Tyr Lys
 20 25 30

Gln Ser Thr Val Gly Asp Ile Asn Ile Glu Cys Pro Gly Met Leu Asp
 35 40 45

Leu Lys Gly Lys Ala Lys Trp Asp Ala Trp Asn Leu Lys Lys Gly Leu
 50 55 60

Ser Lys Glu Asp Ala Met Ser Ala Tyr Val Ser Lys Ala His Glu Leu
 65 70 75 80

Ile Glu Lys Tyr Gly Leu
85

<210> 21
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<212> PRT
<213> Anas platyrhynchos

<400> 21

His Gln Ala Asp Phe Asp Glu Ala Ala Glu Glu Val Lys Lys Leu Lys
1 5 10 15

Thr Arg Pro Thr Asp Glu Glu Leu Lys Glu Leu Tyr Gly Phe Tyr Lys
20 25 30

Gln Ala Thr Val Gly Asp Ile Asn Ile Glu Cys Pro Gly Met Leu Asp
35 40 45

Leu Lys Gly Lys Ala Lys Trp Glu Ala Trp Asn Leu Lys Lys Gly Ile
50 55 60

Ser Lys Glu Asp Ala Met Asn Ala Tyr Ile Ser Lys Ala Lys Thr Met
65 70 75 80

Val Glu Lys Tyr Gly Ile
85

<210> 22
<211> 86
<212> PRT
<213> Bos taurus

<400> 22

Cys Gln Val Glu Phe Glu Met Ala Cys Ala Ala Ile Lys Gln Leu Lys
1 5 10 15

Gly Pro Val Ser Asp Gln Glu Lys Leu Leu Val Tyr Ser Tyr Tyr Lys
20 25 30

Gln Ala Thr Gln Gly Asp Cys Asn Ile Pro Ala Pro Pro Ala Thr Asp
35 40 45

Leu Lys Ala Lys Ala Lys Trp Glu Ala Trp Asn Val Glu Lys Gly Met
50 55 60

Ser Lys Met Asp Ala Met Arg Ile Tyr Ile Ala Lys Val Glu Glu Leu
 65 70 75 80

Lys Lys Asn Glu Ala Gly
 85

<210> 23
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 <212> PRT
 <213> Rattus norvegicus

<400> 23

Ser Gln Val Glu Phe Glu Met Ala Cys Ala Ser Leu Lys Gln Leu Lys
 1 5 10 15

Gly Pro Leu Ser Asp Gln Glu Lys Met Leu Val Tyr Ser Phe Tyr Lys
 20 25 30

Gln Ala Thr Gln Gly Asp Cys Asn Ile Pro Val Pro Pro Ala Thr Asp
 35 40 45

Val Lys Ala Lys Ala Lys Trp Glu Ala Trp Met Val Asn Lys Gly Met
 50 55 60

Ser Lys Met Asp Ala Met Arg Ile Tyr Ile Ala Lys Val Glu Glu Leu
 65 70 75 80

Lys Lys Asn Glu Thr Cys
 85

<210> 24
 <211> 86
 <212> PRT
 <213> Mus musculus

<400> 24

Ser Gln Val Glu Phe Glu Met Ala Cys Ala Ser Leu Lys Gln Leu Lys
 1 5 10 15

Gly Pro Val Ser Asp Gln Glu Lys Leu Leu Val Tyr Ser Phe Tyr Lys
 20 25 30

Gln Ala Thr Gln Gly Asp Cys Asn Ile Pro Val Pro Pro Ala Thr Asp
 35 40 45

Val Arg Ala Lys Ala Lys Tyr Glu Ala Trp Met Val Asn Lys Gly Met
50 55 60

Ser Lys Met Asp Ala Met Arg Ile Tyr Ile Ala Lys Val Glu Glu Leu
65 70 75 80

Lys Lys Lys Glu Pro Cys
85

<210> 25
<211> 85
<212> PRT
<213> Caenorhabditis elegans

<400> 25

Ala Gln Ala Asp Phe Glu Lys Ala Gln Lys Asn Leu Lys Thr Leu Lys
1 5 10 15

Glu Glu Pro Asp Asn Asp Val Lys Leu Gln Leu Tyr Gly Leu Phe Lys
20 25 30

Gln Ala Thr Ala Gly Asp Val Gln Gly Lys Arg Pro Gly Met Met Asp
35 40 45

Phe Val Gly Arg Ala Lys Tyr Asp Ala Trp Asn Thr Leu Lys Gly Gln
50 55 60

Thr Gln Asp Glu Ala Arg Ala Asn Tyr Ala Lys Leu Val Gly Gly Leu
65 70 75 80

Ile Ser Glu Glu Ala
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<210> 26
<211> 90
<212> PRT
<213> Caenorhabditis elegans

<400> 26

Leu Gln Glu Lys Phe Asp Ala Ala Val Glu Ile Ile Gln Lys Leu Pro
1 5 10 15

Lys Thr Gly Pro Val Ala Thr Ser Asn Asp Gln Lys Leu Thr Phe Tyr
20 25 30

Ser Leu Phe Lys Gln Ala Ser Ile Gly Asp Val Asn Thr Asp Arg Pro
 35 40 45

Gly Ile Phe Ser Ile Ile Glu Arg Lys Lys Trp Asp Ser Trp Lys Glu
 50 55 60

Leu Glu Gly Val Ser Gln Asp Glu Ala Lys Glu Arg Tyr Ile Lys Ala
 65 70 75 80

Leu Asn Asp Met Phe Asp Lys Ile Ala Glu
 85 90

<210> 27
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 <212> PRT
 <213> *Caenorhabditis elegans*

<400> 27

Leu Asp Glu Gln Phe Glu Ala Ala Val Trp Ile Ile Asn Ala Leu Pro
 1 5 10 15

Lys Asn Gly Pro Ile Lys Thr Ser Ile Asn Asp Gln Leu Gln Met Tyr
 20 25 30

Ser Leu Tyr Lys Gln Ala Thr Ser Gly Lys Cys Asp Thr Ile Gln Pro
 35 40 45

Tyr Phe Phe Gln Ile Glu Gln Arg Met Lys Trp Asn Ala Trp Asn Gln
 50 55 60

Leu Gly Asn Met Asp Glu Ala Glu Ala Lys Ala Gln Tyr Val Glu Lys
 65 70 75 80

Met Leu Lys Leu Cys Asn Gln Ala Glu Ala
 85 90

<210> 28
 <211> 85
 <212> PRT
 <213> *Cyprinus carpio*

<400> 28

Ser Val Glu Glu Phe Asn Ala Ala Lys Glu Lys Leu Gly Ala Leu Lys
 1 5 10 15

Lys Asp Pro Gly Asn Glu Val Lys Leu Lys Val Tyr Ala Leu Phe Lys
 20 25 30

Gln Ala Thr Gln Gly Pro Cys Asn Thr Pro Lys Pro Ser Met Leu Asp
 35 40 45

Phe Val Asn Lys Ala Lys Trp Asp Ala Trp Lys Ser Leu Gly Ser Val
 50 55 60

Ser Gln Glu Glu Ala Arg Gln Gln Tyr Val Asp Leu Ile Ser Ser Leu
 65 70 75 80

Val Gly Thr Glu Ala
 85

<210> 29
 <211> 89
 <212> PRT
 <213> Bos taurus

<400> 29

His Glu Thr Arg Phe Glu Ala Ala Val Lys Val Ile Gln Ser Leu Pro
 1 5 10 15

Lys Asn Gly Ser Phe Gln Pro Thr Asn Glu Met Met Leu Lys Phe Tyr
 20 25 30

Ser Phe Tyr Lys Gln Ala Thr Glu Gly Pro Cys Lys Leu Ser Lys Pro
 35 40 45

Gly Phe Trp Asp Pro Val Gly Arg Tyr Lys Trp Asp Ala Trp Ser Ser
 50 55 60

Leu Gly Asp Met Thr Lys Glu Glu Ala Met Ile Ala Tyr Val Glu Glu
 65 70 75 80

Met Lys Lys Ile Leu Glu Thr Met Pro
 85

<210> 30
 <211> 86
 <212> PRT
 <213> Arabidopsis thaliana

<400> 30

Ser Ala Ala Thr Ala Phe Val Ala Ala Ala Ser Asp Arg Leu Ser
1 5 10 15

Gln Lys Val Ser Asn Glu Leu Gln Leu Gln Leu Tyr Gly Leu Tyr Lys
20 25 30

Ile Ala Thr Glu Gly Pro Cys Thr Ala Pro Gln Pro Ser Ala Leu Lys
35 40 45

Met Thr Ala Arg Ala Lys Trp Gln Ala Trp Gln Lys Leu Gly Ala Met
50 55 60

Pro Pro Glu Glu Ala Met Glu Lys Tyr Ile Asp Leu Val Thr Gln Leu
65 70 75 80

Tyr Pro Ala Trp Val Glu
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<210> 31
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> M24C primer upstream

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tgcttggtca tctactctca ctacaag

27

<210> 32
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> M24C primer downstream

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25

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<212> DNA
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<220>
<223> M46C primer upstream

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<210> 34
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<212> DNA
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<220>
<223> M46C primer downstream

<400> 34
cccgggtctt tcggtgttga tgtc 24

<210> 35
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<220>
<223> A53C primer upstream

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tgcaagtggg acgcttgga cgaattg 27

<210> 36
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> A53C primer downstream

<400> 36
cttacccttg aagtccaaca tccc 24

<210> 37
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic oligonucleotide for amplifying E. coli fatty acyl-CoA
synthetase ORF, with BamHI site

<400> 37
cacggatcca tgaagaaggt ttggcttaac c 31

<210> 38
<211> 31
<212> DNA
<213> Artificial Sequence

<220>

<223> synthetic oligonucleotide for amplifying E. coli fatty acyl-CoA synthetase ORF, with EcoRI site

<400> 38

cacgaattct caggctttat tgtccacttt g

31